

Abstract

A system and method for mitigating problems associated with automatic execution of initialization code is provided. The system includes an initialization method activator that can call a class initialization method at a pre-determined execution point. The system also includes a deadlock analyzer that can determine whether calling the initialization method will create a deadlock, and, if a deadlock is detected that can resolve such a deadlock. The system also includes a semantic analyzing component that can analyze a semantic type associated with the initialization method and a domain uniqueness analyzer that can analyze the uniqueness of the domain with which the class will interact, to facilitate determining where to place code that will check whether a class is initialized, and if the class is not initialized that will invoke the class initializing method.

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